ABSTRACT

Reflection surfaces (2, 3) and a diaphragm (1) for limiting light fluxes disposed between an object and the reflection surface (2) that is located closest to the object are provided. At least one surface of the plural reflection surfaces (2, 3) has an anamorphic shape. The reflection surfaces (2, 3) are disposed eccentrically. There is provided a light shielding member (6) for blocking light fluxes passing through the diaphragm (1) and reaches the range to be imaged on an image surface (4) without being reflected by the reflection surfaces (2, 3). Since the shielding member (6) is disposed, unnecessary light fluxes do not reach the image surface directly. Since there is no refractive transmission plane, also unnecessary light reflected by the transmission plane does not reach the image surface.